LAPS Rec'd PCT/PTO 22 SEP 2006

Docket No. 65370 (71526)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Yoji Hori et al.

Application No.: 10/581,537

Confirmation No.:

Filed: June 1, 2006

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

For:

NOVEL MULTICOMPONENT OXIDATION

CATALYST AND PROCESS FOR PRODUCING EPOXY COMPOUND

THEREWITH

Mail Stop: PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

TRANSMITTAL LETTER

Attached please find the following documents relating to PCT/JP2004/017380, from which the above-referenced application claims priority:

CERTIFICATION UNDER 37 C.F.R. 1.10*

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I hereby certify that this Completion of Filing Requirements and the papers indicated as being transmitted therewith is being deposited with the United States Postal Service on this date September 22, 2006, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 894 052 712 US, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop PCT.

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(Transmittal of Documents--page 1 of 2)

Document(s):

Notification of Transmittal of Copies of Translation of the International

Preliminary Report on Patentability; International Preliminary Report on Patentability; and Written Opinion of the International Searching

Authority

Form Number(s):

Form PCT/IB/338; Form PCT/IB/373; and Form PCT/ISA/237

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September 22, 2006

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NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent, if the foreign application is referred to in the oath or declaration, as required by section 1.63." 37 C.F.R. section 1.55(a).

PATENT COOPERATION TREATY

To:

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From the INTERNATIONAL BUREAU

OF THE PATENT COOPERATION TREATY)

SAEKI, Norio 4th Floor Aminosan Kaikan Building 15-8, Nihonbashi 3-chome Chuo-ku, Tokyo 103-0027

Chuo-ku, Tokyo 103-0027 JAPON
IMPORTANT NOTIFICATION
International filing date (day/month/year) 24 November 2004 (24.11.2004)
ONAL CORPORATION et al
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ne English translation of the international preliminary report on
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elected Offices.
translation have been transmitted to the following designated or elected
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ch translation directly to each elected Office concerned within the plicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference JA620030	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2004/017380	International filing date (day/month/year) 24 November 2004 (24.11.2004)	Priority date (day/month/year) 15 December 2003 (15.12.2003)
International Patent Classification (8th See relevant information in Form P	edition unless older edition indicated) CCT/ISA/237	
Applicant TAKASAGO INTERNATIONAL CO	PRPORATION	

1.	 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 						
2.	2. This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.						
3.	3. This report contains indications relating to the following items:						
	Box No. I	Basis of the report					
	Box No. II	Priority					
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV	Lack of unity of invention					
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	Box No. VI	Certain documents cited	,				
	Box No. VII	Certain defects in the international application Certain observations on the international application					
	Box No. VIII						
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).						
			Date of issuance of this report 24 July 2006 (24.07.2006)				
	The International Bure 34, chemin des Col	-	Authorized officer				
	1211 Geneva 20, Sv		Masashi Honda				
Facsin	nile No. +41 22 338 82 70		e-mail: pt08@wipo.int				

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION JA620030 See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2004/017380 24.11.2004 15.12.2003 International Patent Classification (IPC) or both national classification and IPC Applicant TAKASAGO INTERNATIONAL CORPORATION This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/017380

Box No. I Basis of this opinion With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: type of material a sequence listing table(s) related to the sequence listing format of material in written format in computer readable form time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/017380

Statement	nations supporting such statement	
Novelty (N)	Claims	
	Claims 1-5	No
Inventive step (IS)	Claims	Ү
	Claims 1-5	N N
Industrial applicability (IA)	Claims 1-5	Y
	Claims	N

2. Citations and explanations:

Document 1: JP, 2003-238544, A (Sumitomo Chemical Co., Ltd.), 27 August, 2003 (27.08.03), claims, mode of the invention, examples

Document 2: JP, 2003-231680, A (Sumitomo Chemical Co., Ltd.), 19 August, 2003 (19.08.03), claims, mode of the invention, examples

Claims 1-5:

The subject matters of claims 1-5 do not appear to be novel, to involve an inventive step in view of document 1 or 2 cited in the ISR.

The document 1 describes the production of an epoxy compound through hydrogen peroxide oxidation of an olefin in the presence of the catalyst comprising a tungsten compound, a quaternary ammonium hydrogen sulfate salt, and phosphoric acids.

The document 2 describes the production of an epoxy compound through hydrogen peroxide oxidation of an olefin in the presence of the catalyst comprising a tungsten compound, a quaternary ammonium hydrogen sulfate salt, and boric acids.